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(FILE 'HOME' ENTERED AT 17:20:20 ON 06 JAN 2009)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 17:20:43 ON 06 JAN 2009

L1 92223 S MMP(W) (1 OR 2 OR 8 OR 9 OR 13) OR RECEPTOR(5A) (TRANSFORM?(W)G
L2 4751 S (TREAT? OR DECREAS? OR INHIBIT? OR AMELIORAT?) (6A) (HEPATIC OR
L3 26925 S (TREAT? OR DECREAS? OR INHIBIT? OR AMELIORAT?) (6A) FIBROSIS
L4 98 S L1(9A) L2
L5 199 S L1(9A) L3
L6 54 DUP REM L4 (44 DUPLICATES REMOVED)
L7 123 DUP REM L5 (76 DUPLICATES REMOVED)

=> d au ti so pi 30-54 16

L6 ANSWER 30 OF 54 MEDLINE on STN DUPLICATE 10
AU Parsons Christopher J; Bradford Blair U; Pan Clark Q; Cheung Ellen;
Schauer Michael; Knorr Andreas; Krebs Barbara; Kraft Sabine; Zahn Stefan;
Brocks Bodo; Feirt Nikki; Mei Baisong; Cho Myung-Sam; Ramamoorthi Roopa;
Roldan Greg; Ng Paul; Lum Peggy; Hirth-Dietrich Claudia; Tomkinson Adrian;
Brenner David A
TI Antifibrotic effects of a tissue inhibitor of metalloproteinase-1 antibody
on established liver fibrosis in rats.
SO Hepatology (Baltimore, Md.), (2004 Nov) Vol. 40, No. 5, pp. 1106-15.
Journal code: 8302946. ISSN: 0270-9139.

L6 ANSWER 31 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Kotoh, Kazuhiro; Nakamuta, Makoto; Kohjima, Motoyuki; Fukushima, Marie;
Morizon, Shusuke; Kobayashi, Naoya; Enjoji, Munechika; Nawata, Hajime
TI Arg-Gly-Asp (RGD) peptide ameliorates carbon tetrachloride-induced liver
fibrosis via inhibition of collagen production and acceleration of
collagenase activity
SO International Journal of Molecular Medicine (2004), 14(6), 1049-1053
CODEN: IJMMFG; ISSN: 1107-3756

L6 ANSWER 32 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Luo, Yan-Jun; Yu, Jie-Ping; Shi, Zhao-Hong; Wang, Li
TI Ginkgo biloba extract reverses CCl4 -induced liver fibrosis in rats
SO World Journal of Gastroenterology (2004), 10(7), 1037-1042
CODEN: WJGAF2; ISSN: 1007-9327

L6 ANSWER 33 OF 54 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
AU Itonaga, Mina; Shimizu, Ichiro; Cheng, Xinliang; Itagaki, Tatzuo;
Sannomiya, Katutaka; Honda, Hirohito; Ueno, Hikaru; Ito, Susumu
TI Inhibitory effects of a soluble transforming growth factor beta type II
receptor on the activation of rat hepatic stellate cells in primary
culture.
SO Gastroenterology, (APR 2004) Vol. 126, No. 4, Suppl. 2, pp. A692.
Meeting Info.: Digestive Disease Week/105th Annual Meeting of the
American-Gastroenterological-Association. New Orleans, LA, USA. May 16
-20, 2004. Amer Gastroenterol Assoc.
CODEN: GASTAB. ISSN: 0016-5085.

L6 ANSWER 34 OF 54 MEDLINE on STN DUPLICATE 11
AU Zhu Yue-ke; Wang Bo-en; Shen Feng-jun; Wang Ai-min; Jia Ji-dong; Ma Hong
TI Dynamic evolution of MMP-13, TIMP-1, type I and III collagen and their
interaction in experimental liver fibrosis.
SO Zhonghua gan zang bing za zhi = Zhonghua ganzangbing zazhi = Chinese
journal of hepatology, (2004 Oct) Vol. 12, No. 10, pp. 612-5.

Journal code: 9710009. ISSN: 1007-3418.

L6 ANSWER 35 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Ueno, Hikaru; Imamura, Michio
TI Anti-TGF- β therapy against liver fibrosis
SO Igaku no Ayumi (2004), 208(5), 423-427
CODEN: IGAYAY; ISSN: 0039-2359

L6 ANSWER 36 OF 54 MEDLINE on STN DUPLICATE 12
AU Zhao Zhi-hai; Xin Shao-jie; Zhao Jing-min; Wang Song-shan; Liu Ping; Yin Tie-yong; Zhou Guang-de
TI Dynamic expression of matrix metalloproteinase-2, membrane type-matrix metalloproteinase-2 in experimental hepatic fibrosis and its reversal in rat.
SO Zhonghua shi yan he lin chuang bing du xue za zhi = Zhonghua shiyan he linchuang bingduxue zazhi = Chinese journal of experimental and clinical virology, (2004 Dec) Vol. 18, No. 4, pp. 328-31.
Journal code: 9602873. ISSN: 1003-9279.

L6 ANSWER 37 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
IN Lee, Wen-cherng; Sun, Lihong; Shan, Feng; Chuaqui, Claudio; Zheng, Zhongli; Petter, Russell C.
TI Preparation of tri-substituted heteroaryls as potent antagonists of the TGF β family type I receptors, Alk 5 and/or Alk 4
SO PCT Int. Appl., 114 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2003087304	A2	20031023	WO 2003-US10440	20030404
WO 2003087304	A3	20040722		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2480860	A1	20031023	CA 2003-2480860	20030404
AU 2003228446	A1	20031027	AU 2003-228446	20030404
EP 1499308	A2	20050126	EP 2003-726198	20030404
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1658866	A	20050824	CN 2003-812699	20030404
JP 2005527590	T	20050915	JP 2003-584248	20030404
BR 2004000022	A	20050913	BR 2004-22	20040115
MX 2004PA09546	A	20050125	MX 2004-PA9546	20040930
ZA 2004007902	A	20050922	ZA 2004-7902	20040930
NO 2004004779	A	20050104	NO 2004-4779	20041103
US 20060063809	A1	20060323	US 2005-510459	20050825

L6 ANSWER 38 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 13
AU Sakaida, Isao; Hironaka, Koji; Terai, Shyuji; Okita, Kiwamu
TI Gadolinium chloride reverses dimethylnitrosamine (DMN)-induced rat liver fibrosis with increased matrix metalloproteinases (MMPs) of Kupffer cells
SO Life Sciences (2003), 72(8), 943-959
CODEN: LIFSAK; ISSN: 0024-3205

L6 ANSWER 39 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN

AU Gressner, Axel M.; Weiskirchen, Ralf
 TI The tightrope of therapeutic suppression of active transforming growth
 factor- β : high enough to fall deeply?
 SO Journal of Hepatology (2003), 39(5), 856-859
 CODEN: JOHEEC; ISSN: 0168-8278

L6 ANSWER 40 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
 IN Matsusawa, Yuji; Funabashi, Toru; Tamura, Shinji
 TI Adiponectins as liver fibrosis inhibitors
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	JP 2002363094	A	20021218	JP 2001-172882	20010607	
	WO 2002100427	A1	20021219	WO 2002-JP5574	20020605	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	AU 2002306266	A1	20021223	AU 2002-306266	20020605	
	EP 1393739	A1	20040303	EP 2002-733330	20020605	
	EP 1393739	B1	20081105			
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
	AT 413186	T	20081115	AT 2002-733330	20020605	
	US 20040180818	A1	20040916	US 2003-479581	20031203	
	US 7074756	B2	20060711			
	US 20060154869	A1	20060713	US 2006-371104	20060309	
	US 7375189	B2	20080520			

L6 ANSWER 41 OF 54 MEDLINE on STN DUPLICATE 14
 AU Yata Yutaka; Gotwals Philip; Koteliensky Victor; Rockey Don C
 TI Dose-dependent inhibition of hepatic fibrosis
 in mice by a TGF-beta soluble receptor: implications
 for antifibrotic therapy.
 SO Hepatology (Baltimore, Md.), (2002 May) Vol. 35, No. 5, pp. 1022-30.
 Journal code: 8302946. ISSN: 0270-9139.

L6 ANSWER 42 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
 AU Ueno, Hikaru
 TI Anti-TGF- β therapy for organ fibrosis
 SO Igaku no Ayumi (2002), 201(12), 916-919
 CODEN: IGAYAY; ISSN: 0039-2359

L6 ANSWER 43 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
 AU Ueno, H.; Qi, Z.; Nakamura, T.
 TI Cytokine-assisted gene therapy: anti-TGF- β intervention using mutated
 forms of TGF- β receptor
 SO Falk Symposium (2002), 125(Cytokines in Liver Injury and Repair), 354-361
 CODEN: FASYDI; ISSN: 0161-5580

L6 ANSWER 44 OF 54 MEDLINE on STN DUPLICATE 15
 AU Murawaki Yoshikazu; Ikuta Yujiro; Koda Masahiko; Okamoto Kinya; Mimura Kenichi
 TI The proMMP-2 activation rate in patients with chronic viral liver disease.
 SO Clinica chimica acta; international journal of clinical chemistry, (2002

Oct) Vol. 324, No. 1-2, pp. 99-103.
Journal code: 1302422. ISSN: 0009-8981.

- L6 ANSWER 45 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Williams, E. J.; Benyon, R. C.; Trim, N.; Hadwin, R.; Grove, B. H.;
Arthur, M. J. P.; Unemori, E. N.; Iredale, J. P.
TI Relaxin inhibits effective collagen deposition by cultured hepatic
stellate cells and decreases rat liver fibrosis in vivo
SO Gut (2001), 49(4), 577-583
CODEN: GUTTAK; ISSN: 0017-5749
- L6 ANSWER 46 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Iimuro, Yuji; Nishio, Toshihiro; Yamaoka, Yoshio
TI Gene transfer of MMP-1 for treatment of
established liver fibrosis
SO BIO Clinica (2001), 16(4), 330-334
CODEN: BCILCY; ISSN: 0919-8237
- L6 ANSWER 47 OF 54 MEDLINE on STN DUPLICATE 16
AU Ninomiya T; Yoon S; Nagano H; Kumon Y; Seo Y; Kasuga M; Yano Y; Nakaji M;
Hayashi Y
TI Significance of serum matrix metalloproteinases and their inhibitors on
the antifibrogenetic effect of interferon-alfa in chronic hepatitis C
patients.
SO Intervirology, (2001) Vol. 44, No. 4, pp. 227-31.
Journal code: 0364265. ISSN: 0300-5526.
- L6 ANSWER 48 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Shinji, Noriyuki; Ujiie, Kozo; Koide, Norio
TI TGF- β in liver fibrosis
SO Annual Review Shokaki (2001) 88-93
CODEN: ARSNAC
- L6 ANSWER 49 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU Okazaki, Isao; Watanabe, Tetsu; Hozawa, Shigenari; Niioka, Maki; Arai,
Masao; Maruyama, Katsuya
TI Reversibility of hepatic fibrosis: from the first report of collagenase in
the liver to the possibility of gene therapy for recovery
SO Keio Journal of Medicine (2001), 50(2), 58-65
CODEN: KJMEA9; ISSN: 0022-9717
- L6 ANSWER 50 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
AU George, Jacob; Roulot, Dominique; Koteliensky, Victor E.; Bissell, D.
Montgomery
TI In vivo inhibition of rat stellate cell activation by soluble transforming
growth factor β type II receptor: a potential new therapy for hepatic
fibrosis
SO Proceedings of the National Academy of Sciences of the United States of
America (1999), 96(22), 12719-12724
CODEN: PNASA6; ISSN: 0027-8424
- L6 ANSWER 51 OF 54 MEDLINE on STN DUPLICATE 17
AU Qi Z; Atsuchi N; Ooshima A; Takeshita A; Ueno H
TI Blockade of type beta transforming growth factor signaling prevents liver
fibrosis and dysfunction in the rat.
SO Proceedings of the National Academy of Sciences of the United States of
America, (1999 Mar 2) Vol. 96, No. 5, pp. 2345-9.
Journal code: 7505876. ISSN: 0027-8424.
- L6 ANSWER 52 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 18
AU Wu, Yunjin; Zhai, Weirong; Zhuang, Li; Zhang, Yuee; Zhu, Hongguang

TI Expression of matrix metalloproteinase-2 and its tissue inhibitor in rat
 liver fibrosis model
 SO Shanghai Yike Daxue Xuebao (1999), 26(4), 261-264
 CODEN: SYDXEE; ISSN: 0257-8131

L6 ANSWER 53 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
 AU Ogaki, Atsuko; Saito, Hidetane; Tsusaka, Norimasa; Toda, Kyoko; Imagaki,
 Hiroyuki; Hamada, Yoshiki; Kumagai, Naoki; Atsukawa, Kazuhiro; Ebinuma;
 Takahashi, Masahiko; Ishii, Hiromasa

TI Effects of angiotensin converting enzyme (ACE) inhibitors on CCl4-induced
 liver fibrosis model in rats
 SO Kanzo (1998), 39(3), 235-236
 CODEN: KNZOAU; ISSN: 0451-4203

L6 ANSWER 54 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN
 IN Segarini, Patricia R.; Dasch, James R.; Olsen, David R.; Carrillo, Pedro
 A.

TI Uses of TGF- β receptor fragment as a therapeutic agent
 SO PCT Int. Appl., 58 pp.
 CODEN: PIXXD2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9409815	A1	19940511	WO 1993-US10455	19931029
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2146973	A1	19940511	CA 1993-2146973	19931029
	CA 2146973	C	20080902		
	AU 9456650	A	19940524	AU 1994-56650	19931029
	AU 669256	B2	19960530		
	EP 669833	A1	19950906	EP 1994-902198	19931029
	EP 669833	B1	20020612		
	R: DE, ES, FR, GB, IT				
	JP 08504763	T	19960521	JP 1994-511364	19931029
	ES 2174868	T3	20021116	ES 1994-902198	19931029
	US 5693607	A	19971202	US 1994-361873	19941222